

1. Bone-conserving orthopedic apparatus, comprising:
 - 2 a cutting guide for performing a set of lateral and medial resections, the cutting guide including:
 - 4 first and second saw-receiving slots, each slot being associated with a respective one of the lateral and medial resections, and wherein the resections resulting from the use of the
 - 6 slots slope inwardly along different planes from a respective outer medial and lateral surface.
2. The orthopedic apparatus of claim 1, wherein the lateral and medial resections
 - 2 are performed with respect to a pair of distal femoral condyles.
3. The orthopedic apparatus of claim 2, wherein the planes corresponding to the
 - 2 two resections intersect proximate to an intercondylar region.
4. The orthopedic apparatus of claim 2, wherein the two resections are
 - 2 performed as part of a distal resection of a human femur.
5. The orthopedic apparatus of claim 2, wherein the two resections are
 - 2 performed as part of a posterior resection of a human femur.
6. The orthopedic apparatus of claim 2, wherein the two resections are
 - 2 performed as part of an anterior resection of a human femur.
7. The orthopedic apparatus of claim 1, further including a prosthetic element
 - 2 having a set of bone-contacting surfaces corresponding to the resections.
8. The orthopedic apparatus of claim 1, adapted for use with an existing
 - 2 prosthetic element having co-planar lateral and medial bone-contacting surfaces, the apparatus further comprising:

- 4 a pair of wedge-shaped augment elements, each shaped to consume the space
between one of the resections and one of the bone-contacting surfaces.

9. Bone-conserving orthopedic apparatus, comprising:
2 a cutting guide for a resecting a pair of lateral and medial protrusions, each protrusion
having a sidewall sloping toward a central valley region, the cutting guide including:
4 first and second saw-receiving slots the first slot being substantially conformal to the
sidewall of one of the protrusions, and the other slot being substantially conformal to the
6 sidewall of the other protrusion, and wherein the resections resulting from the use of the slots
do not lie in the same plane.

10. The orthopedic apparatus of claim 9, wherein the protrusions are condyles.

11. The orthopedic apparatus of claim 9, wherein the resections intersect
2 proximate to an intercondylar region.

12. The orthopedic apparatus of claim 9, wherein the two resections are
2 performed as part of a distal resection of a human femur.

13. The orthopedic apparatus of claim 9, wherein the two resections are
2 performed as part of a posterior resection of a human distal femur.

14. The orthopedic apparatus of claim 9, wherein the two resections are
2 performed as part of an anterior resection of a human distal femur.

15. The orthopedic apparatus of claim 9, further including a prosthetic element
2 having a set of bone-contacting surfaces corresponding to the resections.

16. The orthopedic apparatus of claim 9, adapted for use with an existing
2 prosthetic element having co-planar lateral and medial bone-contacting surfaces, the
apparatus further comprising:

4 a pair of wedge-shaped augment elements, each shaped to consume the space
between one of the resections and one of the bone-contacting surfaces.

17. Orthopedic apparatus for use with a bone having a longitudinal axis, the
2 apparatus comprising:

a cutting guide including a stem insertable into the bone in substantial alignment with
4 the longitudinal axis; and

at least one saw-receiving slot on the cutting guide for resecting the bone along a
6 plane which is not transverse to the longitudinal axis.

18. The orthopedic apparatus of claim 17, wherein the bone is a human femur,
2 and the stem is inserted into an intramedullary canal.

19. The orthopedic apparatus of claim 18, wherein the slot is used to perform a
2 distal resection of the bone.

20. The orthopedic apparatus of claim 18, wherein the slot is used to perform an
2 anterior resection of the bone.

21. The orthopedic apparatus of claim 18, wherein the slot is used to perform a
2 posterior resection of the bone.

22. The orthopedic apparatus of claim 18, further including a prosthetic element
2 having a bone-contacting surface corresponding to the resection.

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23. The orthopedic apparatus of claim 18, adapted for use with an existing
2 prosthetic element having a bone-contacting surface which is substantially transverse to the
longitudinal axis, the apparatus further comprising:
4 a wedge-shaped augment element to consume the space between the resection and the
bone-contacting surface.